Tehnička dokumentacija

Kablovi sa jedim i sa dva konektora

Kablovi sa jednim i sa dva konektora

Opis

YOFC nudi kompletne varijante konektora za optička vlakna prema zahtevima kupaca. Od konektora sa jednim jezgrom do konektora sa više vlakana visoke gustine. YOFC svi proizvodi u gubitku umetanja i povratnom gubitku dostižu ili su veći od svih industrijskih standarda.

Aplikacije

Konekcija između ili unutar okvira， konekcija između okvira i uređaja.

Karakteristike

Standardni simplex/duplex LC konektor, naručeni SC/FC itd.
Fabričko preterminisanje, 100% testirano da bi se osigurale performance prenosa
Brza konfiguracija, smanjeno vreme instalacije
Brza nadogradnja, podrška za paralelni prenos
Slobodna struktura cevi, OFNR, OFNP i LSZH materijali su dostupni za spoljni omotač

Podržani standardi

U skladu sa IEC 61754 series
Telcordia GR-326-CORE Issue 4 standardi.
Otpornost na sagorevanje sa slabim dimljenjem (IEC 61304)
Bez halogena (IEC 60754-1)
Otpornost na sagorevanje (IEC 60332-3C)
Otpornost na koroziju(IEC 60754-2)

Performanse konektora

Tip konektora	IL(dB)	RL(dB)	500 times Durability ΔIL(dB)	Temperature Cycling ΔIL(dB)
LC/SC/FC/ST/E2000 MM	0.22(Typical) 0.30(Max)	≥36	≤0.20	≤0.20
LC/SC/FC/ST/E2000 SM	0.22(Typical) 0.30(Max)	PC≥40 UPC≥50 APC≥60	≤0.20	≤0.20

Performanse okoline

Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

Fibre Count	Bending Radius(mm)		Temperature(℃)			Package
	Static	Dynamic	Operation	Installation	Storage	
1	10D	20D	-40~+75	-5~+50	-40~+80	PE bag
2	10D	20D	-40~+75	-5~+50	-40~+80	PE bag

Optičke performanse

Vlakno

ITU-T G.652D

Category	Items	Unit	Description	
			Before cabled	After cabled
Optical Characteristics	Attenuation at 1310 nm	dB/km	≤ 0.34	≤0.40
	Attenuation at 1383 nm	dB/km	≤ 0.34	≤0.40
	Attenuation at 1550 nm	dB/km	≤ 0.20	≤0.30
	Attenuation at 1625 nm	dB/km	≤ 0.23	≤0.30
	Zero dispersion wavelength	nm	1312 ± 12	
	Zero dispersion slope	ps/(nm^2·km)	≤ 0.092	
	Cable cut-off wavelength λcc	nm	≤ 1260	
	Mode field diameter (MFD) at 1310 nm	μm	8.7~9.5	
	Mode field diameter (MFD) at 1550 nm	μm	9.9~10.9	
	Group Index of Refraction（Typical）at 1310 nm	/	1.466	
	Group Index of Refraction（Typical）at 1550 nm	/	1.467	
	Macro-bend loss(1 turn, 16mm radius) at 1550nm	dB	≤ 0.05	
	Macro-bend loss(100 turn, 25mm radius) at 1310&1550nm	dB	≤ 0.05	
	Macro-bend loss(100turns, 30mm radius) at 1620nm	dB	≤ 0.05	
Geometrical Characteristics	Cladding diameter	μm	125 ± 0.7	
	Cladding non-circularity	%	≤ 1.0	
	Coating diameter	μm	245 ± 7	
	Coating/cladding concentricity error	μm	≤ 12.0	
	Coating non-circularity	%	≤ 6.0	
	Core/cladding concentricity error	μm	≤ 0.6	

ITU-T G.657A2

Category	Items	Unit	Description	
			Before cabled	After cabled
Optical Characteristics	Attenuation at 1310 nm	dB/km	≤ 0.35	≤0.40
	Attenuation at 1383 nm	dB/km	≤ 0.35	≤0.40
	Attenuation at 1550 nm	dB/km	≤ 0.21	≤0.30
	Attenuation at 1625 nm	dB/km	≤ 0.23	≤0.30
	Zero dispersion wavelength	nm	1300~1324	
	Zero dispersion slope	ps/(nm^2·km)	≤ 0.092	
	Cable cut-off wavelength λcc	nm	≤ 1260	
	Mode field diameter (MFD) at 1310 nm	μm	8.4~9.2	
	Mode field diameter (MFD) at 1550 nm	μm	9.3~10.3	
	Group Index of Refraction（Typical）at 1310 nm	/	1.466	

Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

	Group Index of Refraction（Typical）at 1550 nm	/	1.467
	Macro-bend loss(1 turn, 7.5mm radius) at 1550nm	dB	≤ 0.2
	Macro-bend loss(1 turn, 10mm radius) at 1550nm	dB	≤ 0.1
	Macro-bend loss(10turns, 15mm radius) at 1550nm	dB	≤ 0.03
Geometrical Characteristics	Cladding diameter	μm	125 ± 0.7
	Cladding non-circularity	%	≤ 0.7
	Coating diameter	μm	245 ± 5
	Coating/cladding concentricity error	μm	≤ 12.0
	Coating non-circularity	%	≤ 6.0
	Core/cladding concentricity error	μm	≤ 0.5

OM1（62.5/125）

Category	Items	Unit	Description	
			Before cabled	After cabled
Optical Characteristics	Attenuation at 850 nm	dB/km	≤ 2.7	≤3.5
	Attenuation at 1300 nm	dB/km	≤ 0.6	≤ 1.5
	Zero dispersion wavelength	nm	1320～1365	
	Zero dispersion slope at 1295nm~1310nm	/	≤ 0.11	
	Zero dispersion slope at 1300nm~1320nm	/	≤ 0.001 (1438·λo)	
	Group Index of Refraction（Typical）at 850 nm	/	1.496	
	Group Index of Refraction（Typical）at 1300 nm	/	1.491	
	Numerical Aperture	/	0.275 ± 0.015 NA	
	Bandwidth at 850 nm	MHz·km	≥ 200	
	Bandwidth at 1300 nm	MHz·km	≥ 500	
	Macro-bend loss(100turns, 37.5mm radius) at 1300nm	dB	≤ 0.5	
Geometrical Characteristics	Core diameter	μm	62.5 ± 2.5	
	Cladding diameter	μm	125.0 ± 1.0	
	Core non-circularity	%	≤ 5.0	
	Cladding non-circularity	%	≤ 1.0	
	Coating diameter	μm	245 ± 7	
	Coating/cladding concentricity error	μm	≤ 10.0	
	Coating non-circularity	%	≤ 6.0	
	Core/cladding concentricity error	μm	≤ 1.5	

OM2（50/125）

Category	Items	Unit	Description	
			Before cabled	After cabled
Optical Characteristics	Attenuation at 850 nm	dB/km	≤ 2.3	≤3.5
	Attenuation at 1300 nm	dB/km	≤ 0.6	≤ 1.5
	Zero dispersion wavelength	nm	1295～1340	
	Zero dispersion slope at1295nm~1310nm	/	≤ 0.105	
	Zero dispersion slope at 1300nm~1320nm	/	≤ 0.000375 (1590·λo)	
	Group Index of Refraction（Typical）at 850 nm	/	1.482	
	Group Index of Refraction（Typical）at 1300 nm	/	1.477	
	Numerical Aperture	/	0.200 ± 0.015 NA	
	Bandwidth at 850 nm	MHz·km	≥ 500	
	Bandwidth at 1300 nm	MHz·km	≥ 500	
	Macro-bend loss(100turns, 37.5mm radius) at	dB	≤ 0.5	

Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

	1300nm		
	Macro-bend loss(2turns,7.5mm radius) at 1300nm	dB	≤ 1.0
Geometrical Characteristics	Core diameter	μm	50 ± 2.5
	Cladding diameter	μm	125.0 ± 1.0
	Core non-circularity	%	≤ 5.0
	Cladding non-circularity	%	≤ 1.0
	Coating diameter	μm	245 ± 7
	Coating/cladding concentricity error	μm	≤ 10.0
	Coating non-circularity	%	≤ 6.0
	Core/cladding concentricity error	μm	≤ 1.5

OM3

Category	Items	Unit	Description	
			Before cabled	After cabled
Optical Characteristics	Attenuation at 850 nm	dB/km	≤ 2.3	≤3.5
	Attenuation at 1300 nm	dB/km	≤ 0.6	≤ 1.5
	Zero dispersion wavelength	nm	1295～1340	
	Zero dispersion slope at 1295nm~1310nm	/	≤ 0.105	
	Zero dispersion slope at 1300nm~1320nm	/	≤ 0.000375 (1590·λo)	
	Group Index of Refraction（Typical）at 850 nm	/	1.482	
	Group Index of Refraction（Typical）at 1300 nm	/	1.477	
	Numerical Aperture	/	0.200 ± 0.015 NA	
	Overfilled Bandwidth at 850 nm	MHz·km	≥ 1500	
	Overfilled Bandwidth at 1300 nm	MHz·km	≥ 500	
	Effective Modal Bandwidth at 850 nm	MHz·km	≥ 2000	
	Macro-bend loss(100turns, 30mm radius) at 850nm	dB	≤ 0.5	
	Macro-bend loss(100turns, 30mm radius) at 1300nm	dB	≤ 0.5	
Geometrical Characteristics	Core diameter	μm	50 ± 2.5	
	Cladding diameter	μm	125.0 ± 1.0	
	Core non-circularity	%	≤ 5.0	
	Cladding non-circularity	%	≤ 1.0	
	Coating diameter	μm	245 ± 7	
	Coating/cladding concentricity error	μm	≤ 10.0	
	Coating non-circularity	%	≤ 6.0	
	Core/cladding concentricity error	μm	≤ 1.0	

BI OM4

Category	Items	Unit	Description	
			Before cabled	After cabled
Optical Characteristics	Attenuation at 850 nm	dB/km	≤ 2.3	≤3.5
	Attenuation at 1300 nm	dB/km	≤ 0.6	≤ 1.5
	Zero dispersion wavelength	nm	1295～1340	
	Zero dispersion slope at 1295nm~1310nm	/	≤ 0.105	
	Zero dispersion slope at 1300nm~1320nm	/	≤ 0.000375 (1590·λo)	
	Group Index of Refraction（Typical）at 850 nm	/	1.482	
	Group Index of Refraction（Typical）at 1300 nm	/	1.477	
	Numerical Aperture	/	0.200 ± 0.015 NA	
	Overfilled Bandwidth at 850 nm	MHz·km	≥ 3500	
	Overfilled Bandwidth at 1300 nm	MHz·km	≥ 500	
	Effective Modal Bandwidth at 850 nm	MHz·km	≥ 4700	

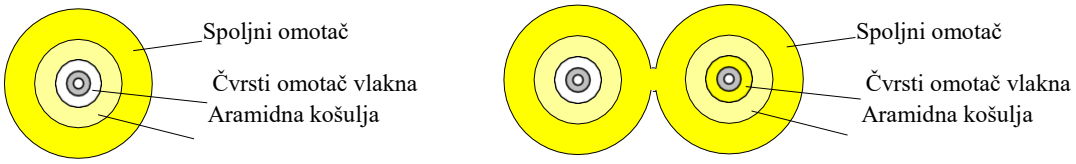
Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

e Optical Fibre and Cable Joint Stock Limited Company

	Macro-bend loss(100turns, 30mm radius) at 850nm	dB	≤ 0.5
	Macro-bend loss(100turns, 30mm radius) at 1300nm	dB	≤ 0.5
Geometrical Characteristics	Core diameter	μm	50 ± 2.5
	Cladding diameter	μm	125.0 ± 1.0
	Core non-circularity	%	≤ 5.0
	Cladding non-circularity	%	≤ 1.0
	Coating diameter	μm	245 ± 7
	Coating/cladding concentricity error	μm	≤ 10.0
	Coating non-circularity	%	≤ 6.0
	Core/cladding concentricity error	μm	≤ 1.0

Performanse kabla

Struktura kabla



Simplex cable GJFJV-1B6a2(2.0mm)

Items		Descriptions
Tight buffer fiber	Buffer material	PVC/LSZH
	Color	White
	Diameter	0.85±0.05mm
Strength member		Aramid yarn
Outer Sheath	Material	PVC/LSZH
	Color code	Yellow
Cable Diameter		1.9±0.2mm

Zipcord cable GJFJV-2B6a2

Items		Descriptions
Tight buffer fiber	Buffer material	LSZH
	Color	White/Yellow
	Diameter	0.85±0.05mm
Strength member		Aramid yarn
Outer Sheath	Material	LSZH
	Color code	Yellow
Cable Diameter		(4.0±0.3)*(1.9±0.3) mm

Ordering Information

□ - □ - □ - □ - □ - □ m

1 2 3 4 5 6

1 Connector 1,eg: LC/U,DLC/U,LC/A,DLC/A,SC/U,SC/A,FC/U,FC/A,ST

2

Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

Konector 2, eg: LC/U ,DLC/U, LC/A,DLC/A,SC/U,SC/A, FC/U,FC/A,ST ,0（pigtail）

3 Omotač kabla, eg: LSZH,PVC,OFNR,OFNP

4 Tip vlakna, eg:G657A2 ,BI OM3， BI OM4

5 Tip kabla, eg:09,20,30,22,33,1209

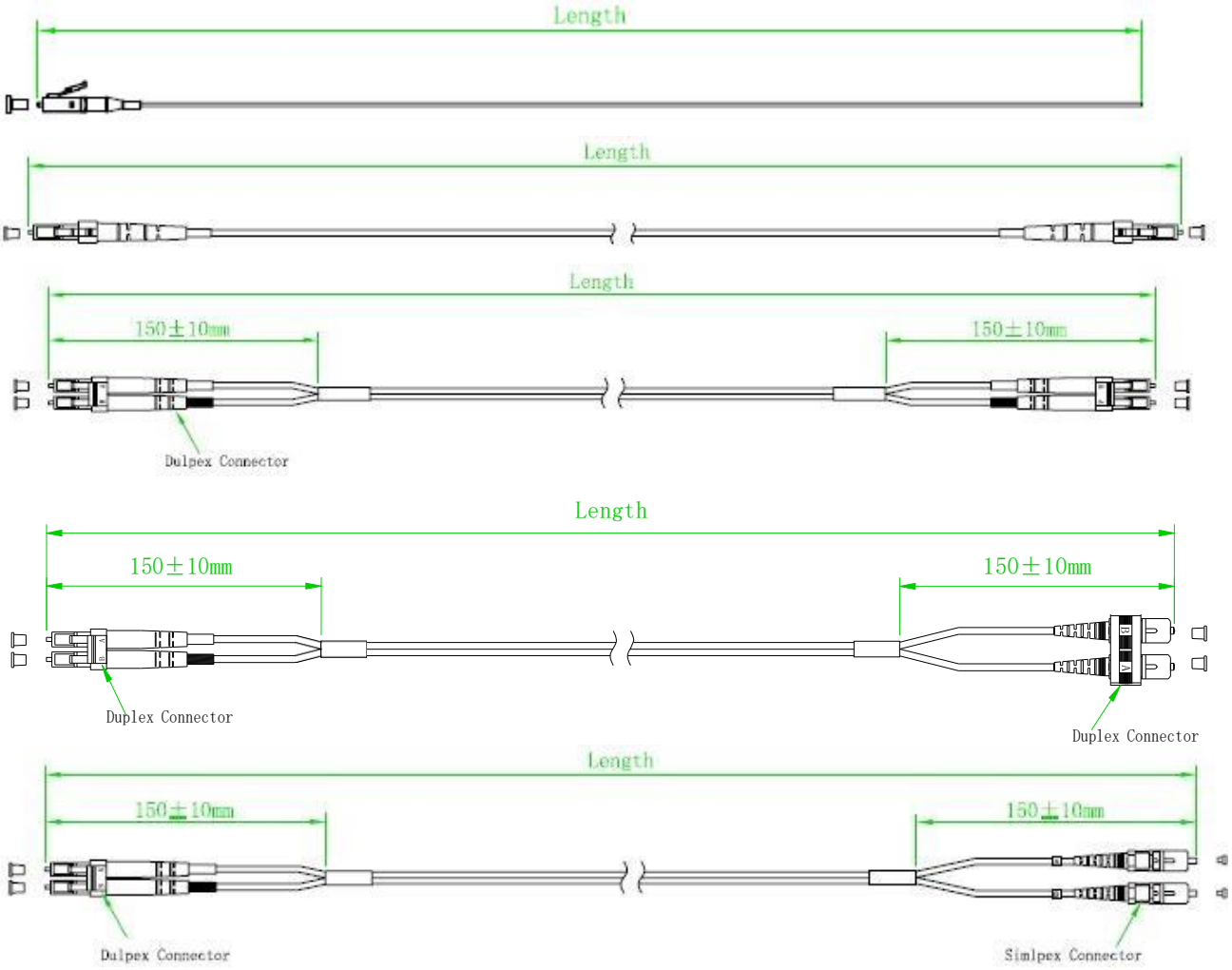
6 Dužina kabla, eg:10,20

Primer:

Tip produkta：iCONEC-LC/U-LC/U-LSZH-BI OM4-20-2m
Opis produkta：iCONEC 1F BI muti-mode patch cord Φ2.0,LSZH,OM4,LC/UPC-LC/UPC,2m

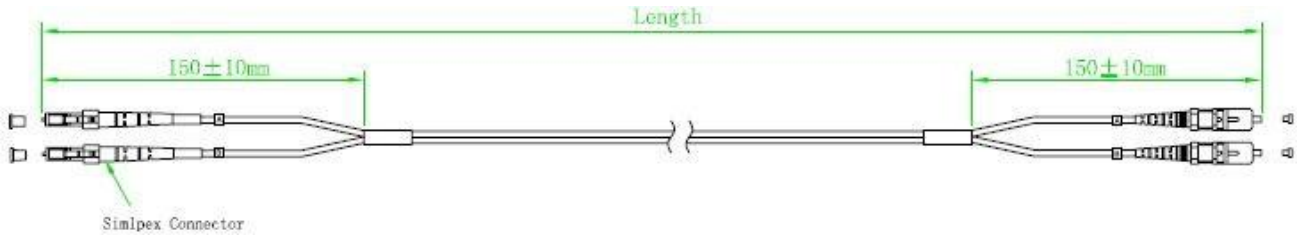
Tehnički crtež

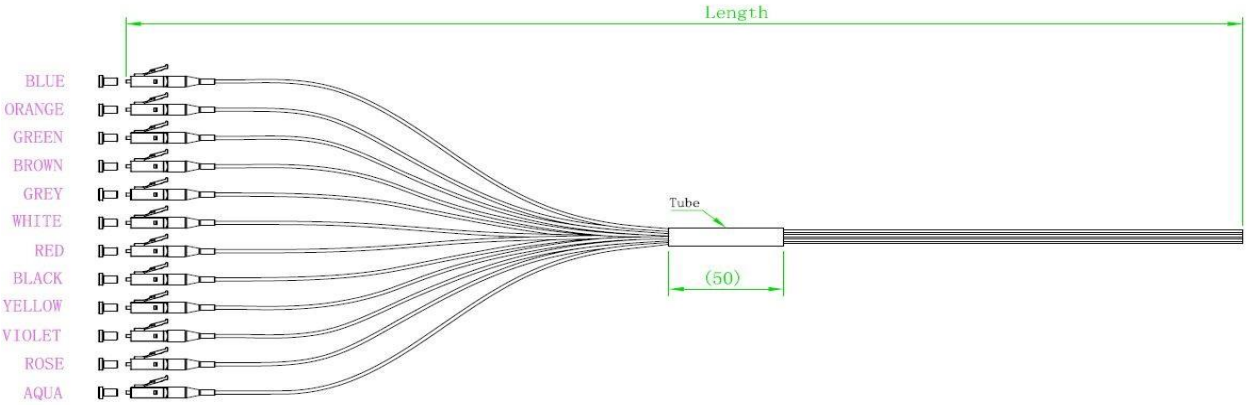
Dužina se specifirana u zavisnosti od konektora.



Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

Kablovi sa jedim i sa dva konektora





Draft	Date	Approved	Date
Yinjuan	6/29/2018	Huangwei	6/29/2018

Rev.	Engineering change number	Name	Date
200		Yinjuan	6/29/2018

Specification● This document is protected by copyright ●Yangtze Optical Fibre and Cable Joint Stock Limited Company

Iako su informacije pažljivo sakupljene prema našem najboljem saznanju, ništa nije zamišljeno kao zastupanje ili garancija sa naše strane i nijedna izjava ovde se neće tumačiti kao preporuka za kršenje postojećih patenata. U nastojanju da poboljšamo naše proizvode, zadržavamo pravo na izmene koje smatramo neophodnim.